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L13: Entry 1 of 2

File: JPAB

Mar 19, 1996

PUB-NO: JP408073787A

DOCUMENT-IDENTIFIER: JP 08073787 A

TITLE: AQUEOUS PIGMENT DISPERSION AND ITS PRODUCTION

PUBN-DATE: March 19, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

SHINOZUKA, SHOICHI

TSUCHIYA, KYO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

SEIKO EPSON CORP

APPL-NO: JP06208897

APPL-DATE: September 1, 1994

INT-CL (IPC): C09 D 11/00; C09 D 11/16; C09 D 17/00

ABSTRACT:

PURPOSE: To obtain an aqueous pigment dispersion desirable as an ink colorant by mixing a pigment with an alkali-soluble resin dispersant, a surfactant and water.

CONSTITUTION: This production process consists of dispersing a mixture comprising a pigment in which the black pigment is aniline black or carbon black, the yellow pigment is an insoluble azo, isoindolinone, benzimidazolone or condensed azo pigment, and the red pigment is an insoluble azo, quinacridone perillene or dioxazine pigment, and the blue pigment is a phthalocyanine or indanthrene dye, a nonionic long-chain-alkyl-containing surfactant having an HLB of 14 or above and water with a grinding mill, adding a solution prepared by neutralizing an alkali-soluble resin dispersant having an acid value of 100mg(KOH) or above with an alkanolamine and dissolving the product dissolved in water to the above dispersion and adsorptively exchanging the surfactant for the alkali-soluble resin dispersant under agitation.

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☐ 2. Document ID: JP 08073787 A

L13: Entry 2 of 2

File: DWPI

Mar 19, 1996

DERWENT-ACC-NO: 1996-205763
DERWENT-WEEK: 199621
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TITLE: Water-borne pigment dispersion - contg. alkali soluble resin dispersants
surfactant and water

PATENT-ASSIGNEE:

ASSIGNEE

CODE

SEIKO EPSON CORP

SHIH

PRIORITY-DATA: 1994JP-0208897 (September 1, 1994)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

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MAIN-IPC

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March 19, 1996

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C09D011/00

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP 08073787A

September 1, 1994

1994JP-0208897

INT-CL (IPC): C09 D 11/00; C09 D 11/16; C09 D 17/00

ABSTRACTED-PUB-NO: JP 08073787A

BASIC-ABSTRACT:

The pigment dispersion comprises a least a pigment, an alkali soluble resin
dispersant, a surfactant and water.

USE - The dispersant is used in ink jet recording and hand writing tools.

ADVANTAGE - The dispersion has less change of pigment dia. depending on cm. changes,
even if by repeating freezing and fusing.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: WATER BORNE PIGMENT DISPERSE CONTAIN ALKALI SOLUBLE RESIN DISPERSE
SURFACTANT WATER

DERWENT-CLASS: G02 T04

CPI-CODES: G02-A04A; G05-F03;

EPI-CODES: T04-G02C;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1669U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-065551

Non-CPI Secondary Accession Numbers: N1996-172384

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